

I am Mr. Smith

ID # 16495358-4379

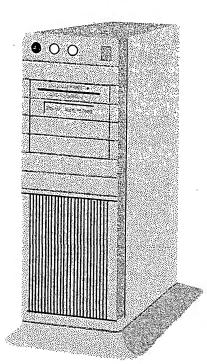
TP: 154.255.498.643

Purchase a Beatles Book, Item

number 6546/12

Price 30 \$

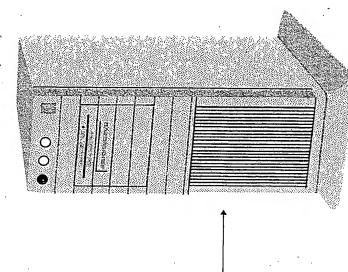
### Internet Service Provider (ISP)



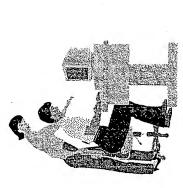


Pc at Home

Internet Service Provider (ISP)

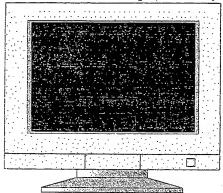


Your customer number 4379 IP: 154.255.498.643 Wants to make a 30 \$ value purchase. Do you accept this purchase?

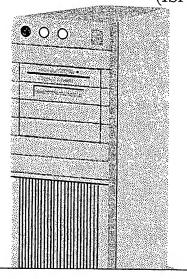


Pc at Home

F19.7



Internet Service Provider (ISP)



Checking IP:....

154.255.498.643

Mr. Smith do you acept a 30 \$ Value purchase that you made in the

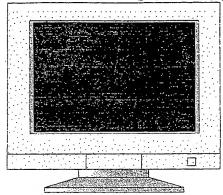
Amazon Book shop?

If yes enter your Password.



Pc at Home

F16. 9



Internet Service Provider (ISP)

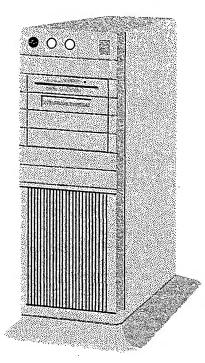


FIG.



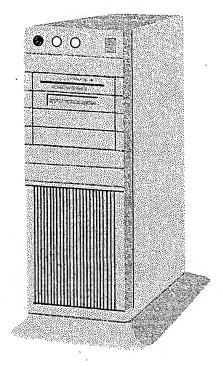
Pc at Home

I do accept a 30 \$ value purchase that I made in the Amazon Book Shop.

My password is \*\*\*\*\*

Internet Service Provider (ISP)

Confirm transaction # 123456789 Send invoice to ISP # 16495358







Pc at Home

F16.5

### **USER PC**

- Online user goes to Website of Vendor using Web Browser Program and selects merchandise to purchase.
- User selects SafeWWWV option for SAFEWWW and activates script which searches users PC for installed SafeWWW
- "Do you want form filled with info from Wallet?"
   Yes information (UID, Name, billing and shipping address, ISP-ID) extracted from Wallet and filled into form and form sent to merchant/vendor. Onhandler script tells Wallet to execute Pay command. This returns random number to script and starts thread that waits for event from network

SP SERVER

7. If handshake was positive, then wallet displays confirmation page with transaction info received by Toolbox from vendor and user is required confirm order by typing in current password (selected at installation or changed during maintenance) or to deny the order.

## ISP TOOLBOX

- 6. Toolbox activates server Wallet that contacts User PC Wallet. Toolbox validates user hardware ID, UID, and if validated it instructs Wallet to open new browser window having URL to page showing positive result of handshake.
- 8. Confirmation is received by Toolbox and then Toolbox sends gatepass response to vendor.

### VENDOR

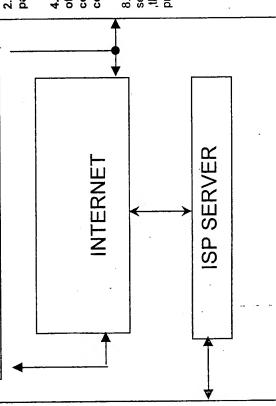
- 2. Vendor offers User PC methods of payment.
- 5. Vendor receives form with info and adds info about cost of purchase, optionally adds merchandise info and sends it to the specific ISP Toolbox specified by ISP-ID from Wallet.
- 9. Receives gatepass and advises user that transaction has been approved.
- 10. Gatepass is then forwarded to a central clearinghouse server which receives Gatepass and initiates payment to vendor. Gatepass can be provided with expiration time. Clearinghouse server can be ISP server or fourth party server.

### **BUYER PC**

- 1. Buyer selects merchandise to purchase at Vendor's Website.
- 3. Buyer selects Safe option for making payment which activates script in Vendor's server..
- 6. Buyer responds with either acceptance of transaction plus password or rejection or non-response. Acceptance generates a message which includes fingerprint file which is sent to Toolbox.

# CREDITOR'S TOOLBOX

- 5. Toolbox receives request from Vendor's server. Toolbox sends transmission to IP address provided by server along with fingerprint file decryptor and retriever and together with request to Buyer to confirm purchase transaction.
- 7. Acceptance is received by Toolbox, fingerprint is validated and then Toolbox sends gatepass response to vendor which confirms Buyer identity and that transaction will be paid for by Creditor.



### VENDOR

- Vendor's server offers Buyer methods of payment.
- 4. Vendor sends request including IP address of Buyer's computer to Toolbox server to confirm credit availability and confirm Buyer's computer's identity.
- 8. Gatepass response causes Vendor's server to send confirmation to Buyer PC, which is displayed ,tha transaction has been approved and processed.

## **BUYER PC**

- 1. Buyer selects merchandise to purchase at Vendor's Website.
- 3. Buyer selects Safe option for making payment which activates script in Vendor's server..
- generates a message which includes fingerprint file which is sent acceptance of transaction plus 6. Buyer responds with either non-response. Acceptance password or rejection or to Toolbox.

## SP SERVER

# CREDITOR'S TOOLBOX

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### 2. Vendor's server offers Buyer methods of of Buyer's computer to Toolbox server to computer's identity. payment. INTERNE

### VENDOR

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